

What is claimed is:

1 1. A mouse pointing device structure, comprising:
2 a main body;
3 a cover disposed on the main body and having a
4 transparent portion;
5 a button device disposed on the cover, wherein the
6 transparent portion is located between the main
7 body and button device; and
8 an irradiation device disposed between the cover and
9 main body, wherein the light output from the
10 irradiation device is output to the outside of
11 the mouse pointing device structure through the
12 transparent portion.

1 2. The mouse pointing device structure as claimed
2 in claim 1, wherein the transparent portion is annular
3 and embraces the main body and button device.

1 3. The mouse pointing device structure as claimed
2 in claim 1, wherein the irradiation device further
3 comprises an optical fiber and a first light-emitting
4 element, the outer surface of the optical fiber formed
5 with a plurality of notches to scatter the light therein
6 out.

1 4. The mouse pointing device structure as claimed
2 in claim 3, wherein the bottom of the cover further
3 comprises an annular groove, the optical fiber disposed
4 in the annular groove, and the first light-emitting

5 element disposed on one end of the optical fiber to
6 output light into the optical fiber.

1 5. The mouse pointing device structure as claimed
2 in claim 4, wherein the annular groove corresponds to the
3 transparent portion.

1 6. The mouse pointing device structure as claimed
2 in claim 3, wherein the first light-emitting element is a
3 light-emitting diode.

1 7. The mouse pointing device structure as claimed
2 in claim 3, wherein the first light-emitting element is
3 an electroluminescence lamp (EL).

1 8. The mouse pointing device structure as claimed
2 in claim 1, wherein the irradiation device further
3 comprises at least one second light-emitting element, the
4 light output from the second light-emitting element
5 transmitted to the outside of the mouse pointing device
6 structure through the transparent portion directly or by
7 reflection of the button device.

1 9. The mouse pointing device structure as claimed
2 in claim 8, further comprising an optical module, the
3 second light-emitting element disposed on the optical
4 module.

1 10. The mouse pointing device structure as claimed
2 in claim 8, wherein the bottom of the cover further
3 comprises at least one hollow light-guiding cylinder, the
4 second light-emitting element disposed in the hollow
5 light-guiding cylinder.

1 11. The mouse pointing device structure as claimed
2 in claim 8, wherein the second light-emitting element is
3 disposed on the main body.

1 12. The mouse pointing device structure as claimed
2 in claim 8, wherein the second light-emitting element is
3 a light-emitting diode.

1 13. The mouse pointing device structure as claimed
2 in claim 8, wherein the second light-emitting element is
3 an electroluminescence lamp (EL).

1 14. The mouse pointing device structure as claimed
2 in claim 1, wherein the cover is made of acrylic or
3 transparent plastic.

1 15. The mouse pointing device structure as claimed
2 in claim 1, wherein the button device is made of a
3 reflective material.